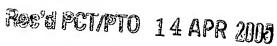
PATENT COOPERATION TREATY



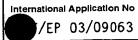


INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of (Form PCT/ISA/2	of Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
43552		(Earliest) Priority Date (day/month/year)
International application No.	International filing date (day/month/year)	(Earliest) Phonty Date (day/monutyear)
PCT/EP 03/09063	14/08/2003	05/11/2002
Applicant		
STIGLIANI, Domenico		
This International Search Report has bee according to Article 18. A copy is being tr	en prepared by this International Searching Aut ansmitted to the International Bureau.	nority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	s of a total of4 sheets. v a copy of each prior art document cited in this	report.
Basis of the report		
	international search was carried out on the balless otherwise indicated under this item.	sis of the international application in the
the international search v Authority (Rule 23.1(b)).	vas carried out on the basis of a translation of t	he international application furnished to this
was carried out on the basis of the contained in the internation of the contained in the internation of the contained in the internation of the contained in th		nternational application, the international search
	•	
the statement that the su	o this Authority in computer readble form. bsequently furnished written sequence listing of the foot base furnished.	loes not go beyond the disclosure in the
	as filed has been furnished. formation recorded in computer readable form i	s identical to the written sequence listing has been
2. Certain claims were for	und unsearchable (See Box I).	
3. Unity of invention is la	king (see Box II).	
4. With regard to the title,	•	
X the text is approved as s	ubmitted by the applicant.	
1 =	shed by this Authority to read as follows:	
5. With regard to the abstract,		
the text has been establi	ubmitted by the applicant. shed, according to Rule 38.2(b), by this Author le date of mailing of this international search re	ity as it appears in Box III. The applicant may, port, submit comments to this Authority.
6. The figure of the drawings to be put		1
as suggested by the app		None of the figures.
because the applicant fa		
because this figure bette	r characterizes the invention.	

INTERNATIONAL SEARCH REPORT



INTERNATIONAL SEARCH REPORT	International Application No /EP 03/09063
A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04L9/32	
According to International Patent Classification (IPC) or to both national classification and IPC	
B. FIELDS SEARCHED	
Minimum documentation searched (classification system followed by classification symbols) IPC $7 H04L$	

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, IBM-TDB, INSPEC

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
А	WO 00 35143 A (COLLINS LYAL SIDNEY; VIRTUAL BUSINESS ASSOCIATES PT (AU)) 15 June 2000 (2000-06-15) page 13, line 18 -page 14, line 2 page 17, line 20 -page 18, line 5 figures 5,8	1-14
A	US 5 475 763 A (KAUFMAN CHARLES W ET AL) 12 December 1995 (1995-12-12) column 3, line 9 - line 37 claims 1,5/	1-14

l Y	
Further documents are listed in the continuation of box C.	Y Patent family members are listed in annex.
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document whir may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means	 *T' later document published after the international filling date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&' document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
12 December 2003	13/01/2004
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Cretaine, P

3

INTERNATIONAL SEARCH REPORT

International Application No
/EP 03/09063

		/EP 03/	09003
C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication,where appropriate, of the relevant passages	F	Relevant to claim No.
A	CHRISTOFFERSSON P: "MESSAGE AUTHENTICATION AND ENCRYPTION COMBINED" COMPUTERS & SECURITY, ELSEVIER SCIENCE PUBLISHERS. AMSTERDAM, NL, vol. 7, no. 1, 1 February 1988 (1988-02-01), pages 65-71, XP000117563 ISSN: 0167-4048 the whole document		1-14
A	W.C.MARTIN: "Message Replay Prevention Using a Previously Transmitted Random Number to Sequence the Messages" IBM TECHNICAL DISCLOSURE BULLETIN, vol. 27, no. 3, August 1984 (1984-08), pages 1758-1759, XP002264866 US the whole document		1-14

3

INTERNATIONAL SEARCH REPORT

formation on patent family members

International Application No
/EP 03/09063

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 0035143	Α	15-06-2000	AU	754026		31-10-2002
			AU	1761800		26-06-2000
			WO	0035143	A1	15-06-2000
			EP	1135887	A1	26-09-2001
			JP	2002532741	T	02-10-2002
			NZ	512655	Α	28-08-2002
US 5475763	A	12-12-1995	NONE			